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(C) WPI / DERWENT

78-43119A §24!

JP760124413 761019

Cement formulation - comprising Portland cement, and silica gel or metakaolin, and fibres, aggregate, additives etc.

IW - CEMENT FORMULATION COMPRISING PORTLAND CEMENT SILICA GEL  
META KAOLIN FIBRE AGGREGATE ADDITIVE

PA - (KOND-I) KONDO R

PN - JP53050229 A 780508 DW7824 000pp

ORD - 1978-05-08

IC - C04B7/35 ; C04B13/00

FS - CPI

DC - L02

AB - J53050229 Cement compsn. is composed of 60-95 wt.% Portland cement and 4 - 5 wt.% silica gel or metakaolin, being mixed with fibres, aggregate and additives as required. Compsns. are obtd. by adding to the material thus obtd. 1-20 wt.% glass fibres.  
- Silica gel of grain size of ca. 40000 cm<sup>2</sup>/g is pref. used and metakaolin of 10000-12000 cm<sup>2</sup>/g is used to develop the same effect as natural pozzolan.  
- Cement material can prevent efflorescent, decreases exothermic heat, further prevents deterioration of glass fibres, and can be cured at ambient temp. or by steam.